

SEVEN STARS[®]



®

FLYING

MODEL : FLYING093RG
FLYING095RG
FLYING097RG

User manual



CE BIG DIPPER LASER SCIENCE & TECHNOLOGY CO., LTD

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Chapter 1 Brief introduction

Thanks for choosing our All over the sky planet series products.

For you could use this product roundly, please read this manual carefully before installation and operate according to rules in case being injured or destroying system.;

1. 2 Packing list

While receiving the product, please take carefully and check whether it was been destroyed on conveyance. After that, check the following parts.












1. 1X Laser Unit.
2. 1x User Manual.
3. 1X Power Cable.
4. 1X DMX Cable




Chapter 2 Notice

2. 1 Safety guide



Do not disassemble or repair the system by yourself unless you are professional in the field of electronics .If there is a problem, please enquire or contact professional electronic engineer ,or seek help from your local dealer.




-  The product should be installed by professional technician.
-  Do not touch the system by wet hand or pull the power wire forcefully.
-  The system should be kept dry .Please don't use the system in the condition of rain, wet or dust. Need waterproof equipment in the open air.
-  Do not turn on or off the system frequently, and avoid keeping it working for a long time.
-  Installation immovably, prevents the system from strong shaking or striking.
-  Prevent outer dangerous objects into the system, or there will be malfunction.
-  The system should keep 1m far away from the objects shined at least.
-  Please don't connect the power supper or turn on the system before installation.
-  Before switching on power, please make sure power wire in good condition.
-  Please warm-up for 15minutes before turning on the system.
-  Turn off the system for 25 minutes after running continuously for three hours. Ensure the system is able to cool down in a suitable environment and has steady output power.

-  When transport the system again, please use the original package to avoid shaking.
-   This sign indicates collecting in sort about electronics and electronically equipment

Maintenance

Maintain the machine regularly and clean the lens with absorbent cotton dipping alcohol, but wet cloth or other chemic solvent .The cleanness times depend on the usage frequency and the surrounding condition of the laser display system. Suggest that the system should be cleaned every 15 days.

2. 3 Warning

-  Before any installation and repairmen, please do cut off the power supply.
-  For making sure person and machine safe, install steady before hanging, or that will cause person injured and equipment destroy.
-  No slipcover on the machine.






2. 4 Declare

The user should comply with the instructions and warning

Above. Any damage, which is caused by incorrect operation or not following the manual, is not in the arrange of warranty. If the problems are caused by ignoring operation manual, the dealer will not take charge.

Chapter 3 Installation guide

3.1 Installation guide

-  Be sure that there is no flammable or explosive objects at the arrange of 1.5 meters leastways, while installation. Keep 0.5 meter away from wall at least.
-  Before installation, please make sure the power voltage matches the system rated voltage.
-  Be sure that the fan and exhaust is not blocked.
-  The laser display system should be fixed firmly.
-  It is essential to make the product grounding.

3.2 Front board sketch map

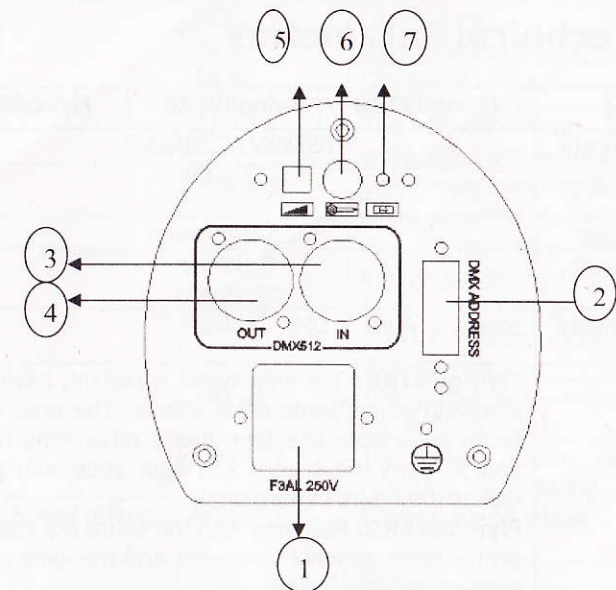


Flying093RG

Flying095RG

Flying097RG

3.3 backboard sketch map



Key-press function instructions:

- ① **F3AL 250V** : Input power with internal fuse(3A)
- ② **DMX ADDRESS**: Binary address switch
- ③ **IN**: DMX signal input
- ④ **OUT**: DMX signal output
- ⑤ **MIN~MAX**: Sound sensitivity adjust knob
- ⑥ **MIC**: Control sound sensitivity
- ⑦ **MIC LED**: Sound indicator light, red.

Chapter 4 Technical Parameters

4.1 Technical Parameters

Model	Flying093RG	Flying095RG	Flying097RG
Power supply	85-265V AC,50/60HZ		
Scanner angel	+/- 40°		
Laser diode	Red and Green		
Laser power	R:80mw G:35 mw		
Control mode	Sound 、 Auto 、 DMX Control		
Effect	<p>Flying093RG: The light beam is radiant, having the revolving\strobe\trade color effects. The area of the beam is variable one time broad other time narrow and so does the speed. Red light goes with green, makes the figure dimensional.</p> <p>Flying095RG: Relieving with the entire sky stars, the center circle appears cinquefoil and this give you an airspace moving feeling.</p> <p>Flying097RG: the integrate revolving produces a dynamical feeling and the cross revolving makes a static state. Strobe combine with color change makes you immerse in a light airspace.</p>		
Dimensions	314 X 144 X140 MM		
Net weight	2.3KG		
Gross weight	2.6KG		

4.2 Software setting

DMX Channel		5 Channel	
Channe l	define	DMX 512value	Control content
1	Control mode	0-69	Shut off the laser diode
		70-139	Sound change
		140-209	Auto change
		210-255	Manual mode, shut off

2	Rotation	0-30	Quiescence
		31-55	Anticlockwise rotate
		56-80	Clockwise rotate
		81-105	The Center rotate clock-wisely while integrate anticlockwise
		106-130	The Center rotate anticlock-wisely while integrate clockwise
		131-155	The Center stop rotate, while integrate move anticlock-wisely
		156-180	The Center rotate anticlock-wisely, while integrate stop moving
		181-205	The center stop, while integrate rotate clock-wisely
3	Speed adjust	206-255	The center rotate clock-wisely, integrate stop moving
		0-255	8 grade speed adjust
4	Color change	0-39	Red
		40-79	Green
		80-119	Red and green
		120-239	Auto change color
		240-255	Sound change color
5	Strobe	0-19	No strobe
		20-240	Strobe with speedup
		241-255	Sound strobe

Notice:

The channel 3 : speed adjust works only under the rotating condition.

4.3 Function setting

Remark

On the DMX 512 mode ,the Laser display system will shut off if the DMX 512 signal intermit.

ADDRESS: DMX Address code setup:

1. When the 10th code is ON, the function of 1-9 codes is the following

The 1st code is OFF----- sound control mode (host Laser)

The 1st code is ON ----- AUTO play mode (host Laser)

2. When the 10th code is OFF; DMX Control .

**The right for explanation involved items in this
manual is belongs to BIG Dipper Laser Science &
Technology Co., Ltd .**

V1.02